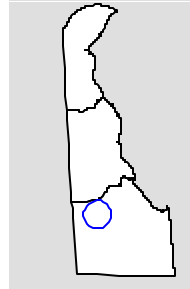


ROAD SYSTEM – BRIDGE IMPROVEMENTS

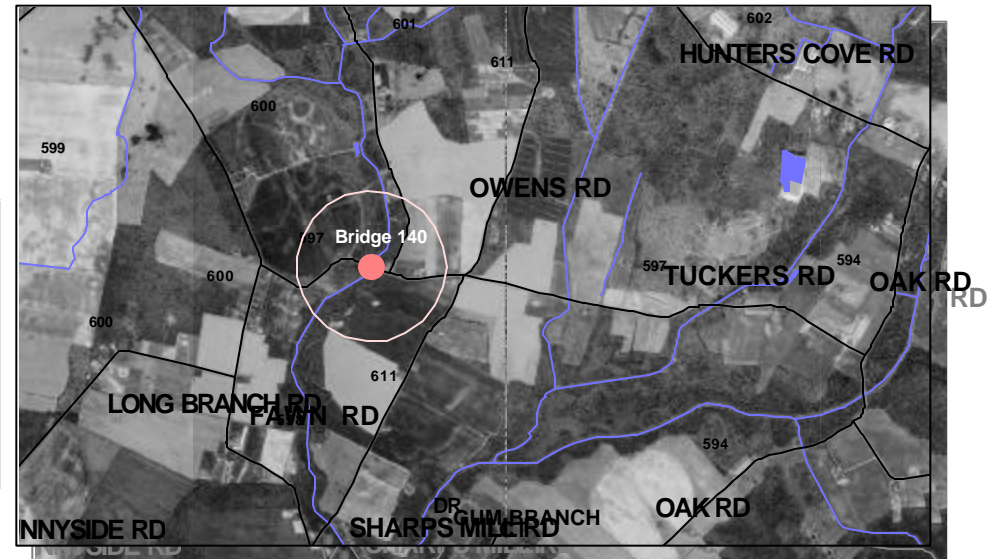
BR140 ON TUCKERS ROAD (S597) OVER ST. JOHNSTOWN DITCH

PROJECT SCOPE/DESCRIPTION: Improvements will include the replacement of the bridge with a corrugated metal arch and riprap at the entrance and exit.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranked 416th on the bridge deficiency list.



| | |
|---------------------------------|-----------------------|
| County: | Sussex |
| Municipality: | |
| Funding Program: | Road System – Bridges |
| Functional Category: | Preservation |
| Representative District: | 35 |
| Senatorial District: | 19 |



BR140 ON TUCKERS ROAD (S597) OVER ST. JOHNSTOWN DITCH (CONTINUED)***Funding Information***

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| 1 | 4 | | 354 | | | | 360 |

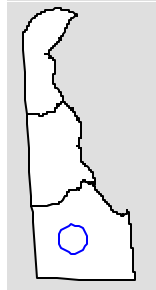
All \$ X 1,000

| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------|------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 20-073-01 | R/W C | 100% ST 80% F | 6 <u>348</u> | 6 <u>348</u> | | | | |
| | | TOTAL | 354 | 354 | | | | |

All \$ X 1,000

BR237 ON S 46 OVER GRAVELLY BRANCH, SEAFORD

PROJECT SCOPE/DESCRIPTION: This bridge was built in 1919 and has been designated as a historic bridge. It is finished with concrete parapets in incised rectangular panels and is supported on concrete abutments with U-shaped concrete wing walls. Flared timber wing walls have been added in an effort to arrest erosion of the embankments. The improvements will include partial replacement of the bridge by repairing spalls on the existing concrete arch; widening the arch with matching shape and parapets; and installing guardrails at bridge approaches. The existing roadway section currently two ten-foot lanes will be widened to two twelve-foot lanes and eight-foot shoulders.



PROJECT JUSTIFICATION: The bridge is structurally deficient, ranked 104th on the bridge deficiency list and functionally obsolete.

Bridge inspection reports indicate that sections of the concrete arch are delaminated with exposed reinforcements. The report also shows that spalls are located on the arch and rails and several spalls on the railing have exposed rebar. Scour is present on the south side of the arch, extending in from the channel.



BR237 ON S 46 OVER GRAVELLY BRANCH, SEAFORD (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 35,39
Senatorial District: 19

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | | | 150 | 1,062 | | | 1,212 |

All \$ X 1,000

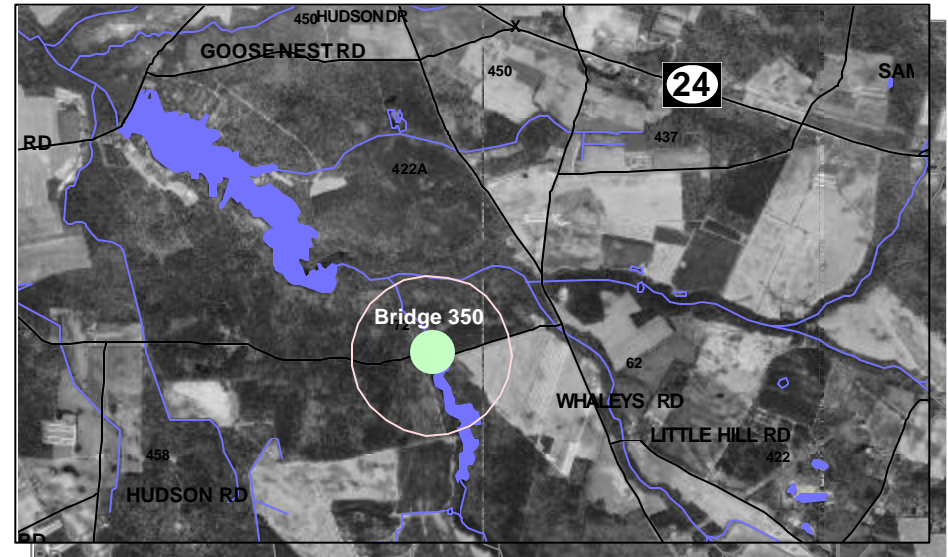
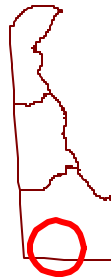
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------------|--|--|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|--|
| 21-076-01 | PE R/W C | 100% ST 100% ST 80% F – Q11 TOTAL | 150 44 <u>1,018</u> 1,212 | 150 _____ 150 | <u>1,018</u> 1,062 | | | |

All \$ X 1,000

BR350 ON WOOTEN ROAD (S 72) OVER RACCOON POND, SPILLWAY, LAUREL

PROJECT SCOPE/DESCRIPTION: Replace timber bridge with a new concrete steel structure with steel sheet pile spillway and a sluice gate. To comply with federal guidelines, the new bridge will be slightly wider (28-foot). The proposed roadway section will have two 10-foot travel lanes plus two 4-foot wide shoulders. New guardrails will be placed at the bridge and along the bridge approaches. The spillway will be steel sheet piling, half-moon shape, with rip-rap placed under the bridge. Where bank stabilization is required, the stabilization will be accomplished via vegetative plantings.

PROJECT JUSTIFICATION: The bridge is structurally deficient and functionally obsolete. It is ranked 65th on the deficiency list.



BR350 ON WOOTEN ROAD (S 72) OVER RACCOON POND, SPILLWAY, LAUREL (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 40
Senatorial District: 21

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | | | 126 | 890 | | | 1,016 |

All \$ X 1,000

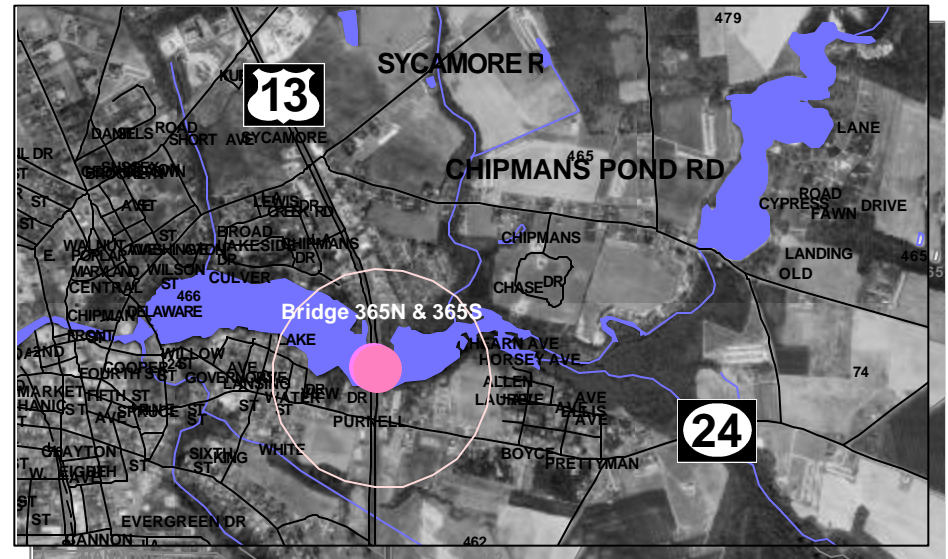
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------------|--|--|-----------------------------------|---|-----------------------------------|-----------------------------------|--|
| 21-073-02 | PE R/W C | 100% ST 100% ST 80% F – Q24 TOTAL | 126 16 <u>874</u> 1,016 | 126 126 | 16 <u>874</u> 890 | | | |

All \$ X 1,000

BR365N AND 365S ON NORTH AND SOUTH US 13, RECORDS POND, EAST OF LAUREL

PROJECT SCOPE/DESCRIPTION: Rehabilitate existing structures including pile jackets, concrete deck overlay, joint replacement, and upgrade existing bridge rail and guardrail. One lane of traffic on each bridge will be maintained during reconstruction.

PROJECT JUSTIFICATION: The bridges are functionally obsolete and are ranked 89th and 91st, respectively, on the deficiency list.



BR365N AND 365S ON NORTH AND SOUTH US 13, RECORDS POND, EAST OF LAUREL (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 40
Senatorial District: 21

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | | | 166 | 1,108 | | | 1,274 |

All \$ X 1,000

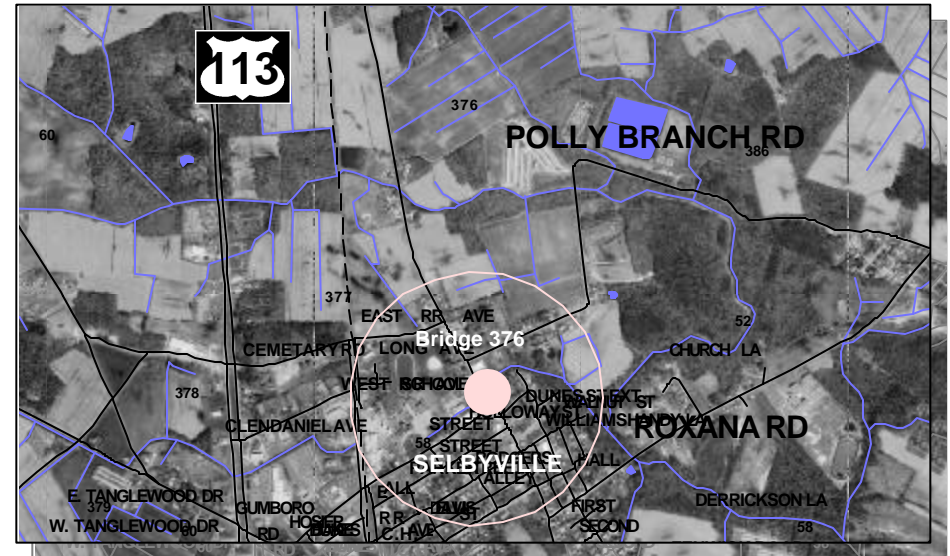
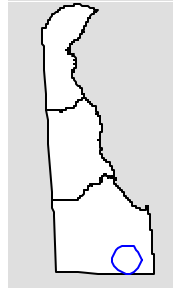
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|---------|------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 21-076-03 | PE C | 100% ST 80% F – Q10 | 166 <u>1,108</u> | 166 <hr/> | <u>1,108</u> | | | |
| | | TOTAL | 1,274 | 166 | 1,108 | | | |

All \$ X 1,000

BR376 ON SR 54 (FENWICK ROAD) OVER POLLY BRANCH

PROJECT SCOPE/DESCRIPTION: Construct a concrete slab over the existing pipe and repair the deteriorated pipe with epoxy material.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 348th on the bridge deficiency list.



Looking Downstream



Looking Upstream

BR376 ON SR 54 (FENWICK ROAD) OVER POLLY BRANCH (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 38
Senatorial District: 20

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | 34 | 18 | 390 | | | | 442 |

All \$ X 1,000

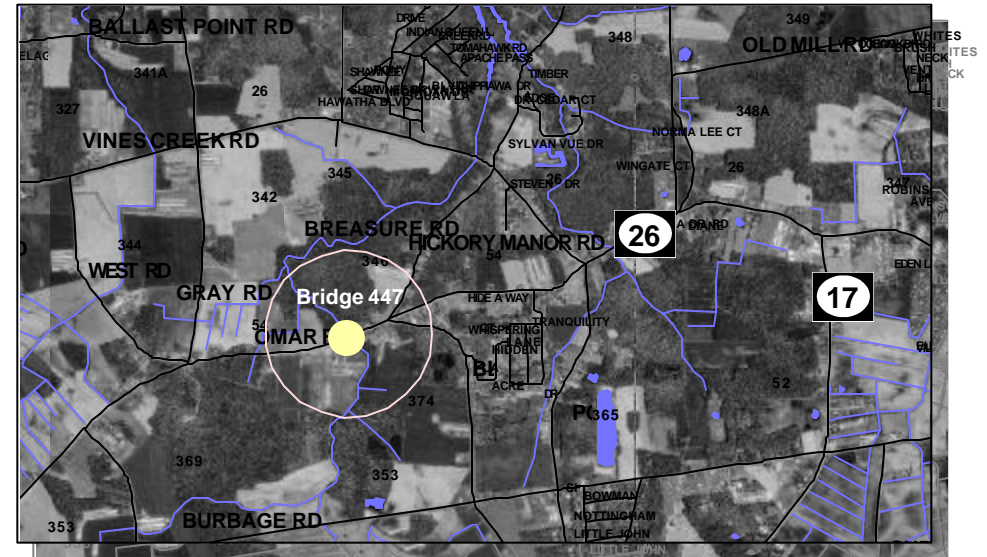
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|-------|---------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 20-073-02 | C | 100% ST | 390 | 390 | | | | |

All \$ X 1,000

BR447 ON SR 54 OVER BLACK WATER DITCH, EAST OF DAGSBORO

PROJECT SCOPE/DESCRIPTION: Replace existing rigid frame bridge.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 45th on the bridge deficiency list.



BR447 ON SR 54 OVER BLACK WATER DITCH, EAST OF DAGSBORO (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 38
Senatorial District: 20

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | | | 70 | 400 | | | 470 |

All \$ X 1,000

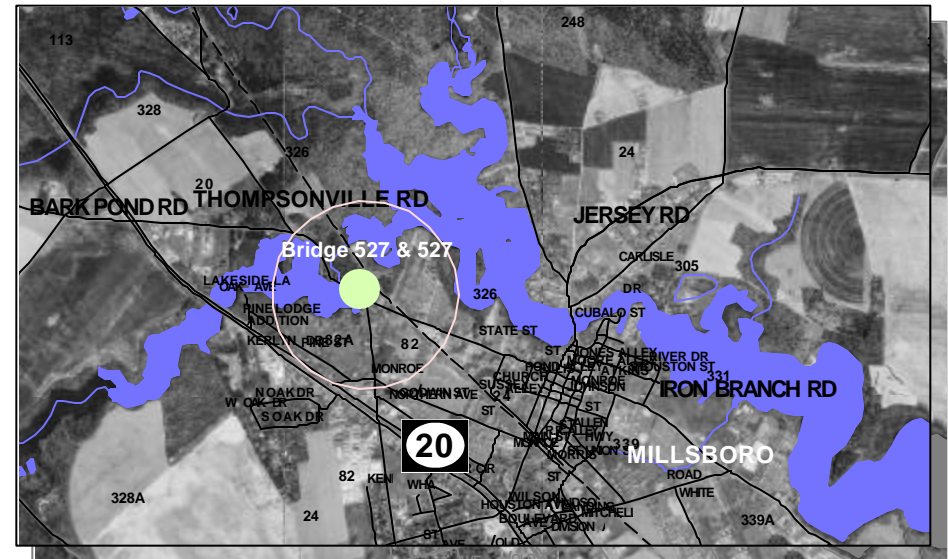
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------------|--|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 21-073-01 | PE R/W C | 100% ST 100% ST 80% F – Q25 TOTAL | 60 10 <u>400</u> 470 | 60 10 <hr/> 70 | <u>400</u> 400 | | | |

All \$ X 1,000

BR526 AND 527 ON BETTS POND, MILLSBORO

PROJECT SCOPE/DESCRIPTION: Replace BR527 with concrete frame structure and sheet pile spillway. Replace BR526 with concrete box. Place timber guardrail at bridge approaches. Stabilize slopes. Construction has been coordinated with pavement reconstruction on US113.

PROJECT JUSTIFICATION: Bridges have low structural capacity and narrow width. BR526 is ranked 67th and BR527 is ranked 11th on the bridge deficiency list. Both bridges are functionally obsolete.



BR526 AND 527 ON BETTS POND, MILLSBORO (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 41
Senatorial District: 20

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| 32 | 30 | 34 | | | 1,200 | | 1,296 |

All \$ X 1,000

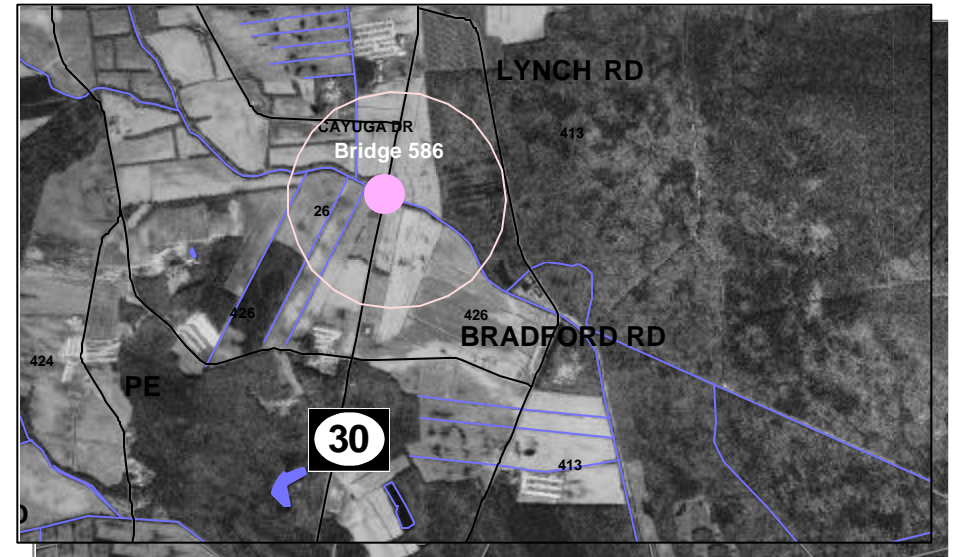
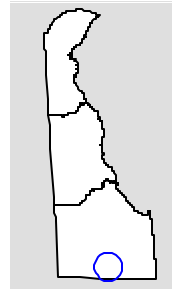
| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|-------|---------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 99-073-01 | C | 100% ST | 1,200 | | | 1,200 | | |

All \$ X 1,000

BR586 ON MILLSBORO HIGHWAY (S 26) OVER POCOMOKE RIVER, NORTH OF GUMBORO

PROJECT SCOPE/DESCRIPTION: Improvements focus on replacement of the existing rigid frame with a precast rigid frame, with riprap placed to protect the foundation.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 124th on the bridge deficiency list.



| | |
|---------------------------------|-----------------------|
| County: | Sussex |
| Municipality: | |
| Funding Program: | Road System – Bridges |
| Functional Category: | Preservation |
| Representative District: | 41 |
| Senatorial District: | 21 |

BR586 ON MILLSBORO HIGHWAY (S 26) OVER POCOMOKE RIVER, NORTH OF GUMBORO (CONTINUED)***Funding Information***

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| 3 | 13 | | 5 | 344 | | | 365 |

All \$ X 1,000

| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------|--------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 20-073-05 | R/W C | 100% ST 100% ST | 5 <u>344</u> | 5 <u> </u> | <u>344</u> | | | |
| | | TOTAL | 349 | 5 | 344 | | | |

All \$ X 1,000

BR815N ON SR 1 NB OVER WAPLES POND

PROJECT SCOPE/DESCRIPTION: Replace concrete slab bridge with prestressed concrete adjacent box beam bridge; make safety improvements at approaches; and place rip-rap to prevent scour at the foundation.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 81st on the deficiency list.



BR815N ON SR 1 NB OVER WAPLES POND (CONTINUED)

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 36
Senatorial District: 18

Funding Information

| Prior Expenditures FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005-2007 | Total |
|-------------------------------|---------|---------|---------|---------|---------|--------------|-------|
| | | | 150 | 10 | 1,026 | | 1,186 |

All \$ X 1,000

| FMB ID OR PROJ # | PHASE | FUNDING | EST COST TO COMPLETE IN TODAY'S \$ | FY 2001 7/00-6/01 TOTAL | FY 2002 7/01-6/02 TOTAL | FY 2003 7/02-6/03 TOTAL | FY 2004 7/03-6/04 TOTAL | FY 2005-2007 7/04-6/07 TOTAL |
|------------------------|----------------|-----------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 21-073-03 | PE R/W C | 100% ST 100% ST 80% F – Q24 | 150 10 <u>1,026</u> | 150 | 10 <u>1,026</u> | | | |
| | | TOTAL | 1,186 | 150 | 1,036 | | | |

All \$ X 1,000